

Type	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error Count
1 BRS	2	(contrast near3 enhanc\$5) with S\$1curve\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 13:51		0	
2 BRS	2	(contrast near3 enhanc\$5) same S\$1curve\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 13:51		0	
3 BRS	7	(contrast near3 enhanc\$5) and S\$1curve\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 13:54		0	
4 BRS	28	(contrast near3 enhanc\$5) with ((adjust\$4 correct\$3) near3 (function\$1 curve\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:01		0	
5 BRS	0	20030174886.URPN.	USPAT	2004/07/01 13:55		0	
6 BRS	1624	S\$1curve\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:02		0	
7 BRS	21	S\$1curve\$1 and histogram\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:15		0	
8 BRS	26	(S\$1curve\$1 same (contrast tone\$1scale gray\$1scale grey\$1scale intensi\$3 densi\$3 dynamic\$1range)) same (enhanc\$5 stretch\$3 adjust\$4 correct\$3 map\$4 compress\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:24		0	
9 BRS	45573	((curve\$1 function\$1) same (contrast tone\$1scale gray\$1scale grey\$1scale intensi\$3 densi\$3 dynamic\$1range) same (enhanc\$5 stretch\$3 adjust\$4 correct\$3 map\$4 compress\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:25		0	
10 BRS	5562	((curve\$1 function\$1) with ((contrast tone\$1scale gray\$1scale grey\$1scale intensi\$3 densi\$3 dynamic\$1range) near3 (enhanc\$5 stretch\$3 adjust\$4 correct\$3 map\$4 compress\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:29		0	
11 BRS	174	((curve\$1 function\$1) with ((contrast tone\$1scale gray\$1scale grey\$1scale intensi\$3 densi\$3 dynamic\$1range) near3 (enhanc\$5 stretch\$3 adjust\$4 correct\$3 map\$4 compress\$3)))) same histogram\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:30		0	
12 BRS	121	((curve\$1 function\$1) with ((contrast tone\$1scale gray\$1scale grey\$1scale intensi\$3 densi\$3 dynamic\$1range) near3 (enhanc\$5 stretch\$3 adjust\$4 correct\$3 map\$4 compress\$3)))) with histogram\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 14:30		0	

Type	Hits	Search Text	Dbs	Time Stamp	Comments	Error Definition	Error
13	BRS 90	(((((curve\$1 function\$1) with ((contrast tone\$1scale gray\$1scale grey\$1scale intensit\$3 densit\$3 dynamic\$1range) near\$3 (enhanc\$5 stretch\$3 adjust\$4 correct\$3 map\$4 compress\$3)))) with histogram\$4) and @ad <= 20010201	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:25		0	
14	IS&R 2	("4641267").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:26		0	
15	IS&R 2	("5164993").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:27		0	
16	IS&R 0	("JP2000354167A").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:29		0	
17	IS&R 0	("JP3063884A").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:29		0	
18	IS&R 0	("JP2000354167").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:29		0	
19	IS&R 0	("JP3063884").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:32		0	
20	IS&R 0	("JP306003884").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/01 15:32		0	
21	BRS 94	S\$1curve\$1 same (contrast tone\$1scale gray\$1scale grey\$1scale intensit\$3 densit\$3 dynamic\$1range)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/02 09:04		0	
22	BRS 2286	345/20,63,77,589,597,617,690.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/02 09:05		0	
23	BRS 4401	348/251,254,603,358/1,9,2,1,3,27,447,461.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/02 09:05		0	
24	IS&R 2	("5164993").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/02 09:51		0	

	Type	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
25	BRS	4110	382/162,165-169,172,254,274.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/02 11:33			0



US Patent &amp; Trademark Office

[Subscribe \(Full Service\)](#)
[Register \(Limited Service, Free\)](#)
[Login](#)
[Search:](#)
[The ACM Digital Library](#)
[The Guide](#)
[+contrast +enhancement +curve](#)

THE ACM DIGITAL LIBRARY

[Feedback Report a problem Satisfaction survey](#)
Terms used contrast enhancement curveFound **582** of **138,663**Sort results by Display results 
[Save results to a Binder](#)
[Search Tips](#)
☐
[Open results in a new window](#)
[Try an Advanced Search](#)  
[Try this search in The ACM Guide](#)
Results 1 - 20 of 200  
Best 200 shown

Result page: 1 2 3 4 5 6 7 8 9 10 next

Relevance scale

1 [Special issue on SAC 2001 best papers: Evolutionary image enhancement with user behavior modeling](#)

Cristian Munteanu, Agostinho Rosa

April 2001 **ACM SIGAPP Applied Computing Review**, Volume 9 Issue 1

Full text available: pdf(631.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper we present a novel method for image enhancement of gray-scale images based on the simulation of evolution. Our method employs Genetic Algorithms to evolve the shape of the contrast curve in the image, while attempting to partially automate the subjective process of image evaluation (e.g. user behavior) by performing multiple regression on fitness values. Results obtained show the robustness and efficiency of the evolutive method for image enhancement. For several images in the test ...

**Keywords:** image enhancement, multiple regression, real-coded genetic algorithms, subjective fitness

2 [Evolutionary image enhancement with user behaviour modeling](#)

Cristian Munteanu, Agostinho Rosa

March 2001 **Proceedings of the 2001 ACM symposium on Applied computing**

Full text available: pdf(138.50 KB)


Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** image enhancement, multiple regression, real-coded genetic algorithms, subjective fitness

### 3 [Hardware: Hardware accelerated real time charcoal rendering](#)

Aditi Majumder, M. Gopi

June 2002 **Proceedings of the 2nd international symposium on Non-photorealistic animation and rendering**

Full text available:  pdf(15.59 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


In this paper, we present simple rendering techniques implemented using traditional graphics hardware to achieve the effects of charcoal drawing. The effects include characteristics of charcoal drawings like broad grainy strokes and smooth tonal variations that are achieved by smudging the charcoal by hand. Further, we also generate the *closure effect* that is used by artists at times to avoid hard silhouette edges. All these effects are achieved using *contrast enhancement operators* ...

**Keywords:** charcoal rendering, hardware accelerated rendering, non photorealistic rendering, real time rendering

### 4 [A model of visual masking for computer graphics](#)

James A. Ferwerda, Peter Shirley, Sumanta N. Pattanaik, Donald P. Greenberg

August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**

Full text available:  pdf(1.29 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** error metrics, image quality, masking, visual perception

### 5 [Computer simulation of irregular shaped lesions in radiographs](#)

John M. DeGroot, Samuel J. Dwyer, Lewis J. Garroto

August 1973 **Proceedings of the annual conference**

Full text available:  pdf(323.35 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Facing an ever-increasing demand for diagnostic radiological examinations, the radiologist has turned to other means for assistance. In some cases this has been the utilization of trained technical assistants. New methods and techniques have been tested. In this learning process, simulated lesions can be useful in training of assistants. It can also be an integral part of the evaluation of their abilities to perform the required functions. Second, the study of radiographic images may be qua ...

### 6 [Digital halftoning with space filling curves](#)

Luiz Velho, Jonas de Miranda Gomes

July 1991 **ACM SIGGRAPH Computer Graphics , Proceedings of the 18th annual conference on**

**Computer graphics and interactive techniques**, Volume 25 Issue 4

Full text available:  pdf(2.92 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper introduces a new digital halftoning technique that uses space filling curves to generate aperiodic patterns of clustered dots. This method allows the parameterization of the size of pixel clusters, which can vary in one pixel steps. The algorithm unifies, in this way, the dispersed and clustered-dot dithering techniques.


**Keywords:** bilevel display, digital halftoning, dithering, quantization, space filling curves

7 **Human vision and computer graphics**

Fanya S. Montalvo

August 1979 **ACM SIGGRAPH Computer Graphics , Proceedings of the 6th annual conference on**

**Computer graphics and interactive techniques**, Volume 13 Issue 2

Full text available:  pdf(402.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Is one picture really worth a thousand words? Why do cleverly designed graphic displays make visual information stand out more clearly with strikingly greater impact than numbers buried in pages of computer printout? Graphic output devices shift the burden of integrating information generated by computers onto the human vision system: the sensory channel with the highest capacity for distributed parallel processing. The system consists of hundreds of successive two-dimensional ar ...

8 **Image-based transfer function design for data exploration in volume visualization**

Shiao-fen Fang, Tom Biddlecome, Mhram Tuceryan

October 1998 **Proceedings of the conference on Visualization '98**

Full text available:  pdf(1.78 MB) 

[Publisher Site](#)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** 3D image processing, data exploration, transfer function, volume rendering, volume visualization

9 **Painterly rendering: Abstracted painterly renderings using eye-tracking data**

Anthony Santella, Doug DeCarlo

June 2002 **Proceedings of the 2nd international symposium on Non-photorealistic animation and rendering**

Full text available:  pdf(2.23 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

# IEEE Xplore®

IEEE 451-1.2

Welcome  
United States Patent and Trademark Office



» Search Results

Help FAQ Terms IEEE Peer Review

Quick Links

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conferences Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Xplore

- ☐ Access the IEEE Enterprise File Cabinet

Your search matched **14** of **1047691** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

### Refine This Search:

You may refine your search by editing the current search expression or entering a new one in the text box.

Search

☐ Check to search within this result set

### Results Key:

**JNL** = Journal or Magazine    **CNF** = Conference    **STD** = Standard

#### 1 Scattering by S-shaped surfaces

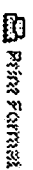
*Kempel, L.C.; Volakis, J.L.; Senior, T.B.A.; Locus, S.S.; Mitzner, K.M.; Antennas and Propagation, IEEE Transactions on , Volume: 41 , Issue: 6 , June 1993*  
Pages: 701 - 708

[Abstract] [PDF Full-Text (588 KB)] **IEEE JNL**

#### 2 A bivariate autoregressive technique for analysis and classification of planar shapes

*Das, M.; Paulik, M.J.; Loh, N.K.; Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 12 , Issue: 1 , Jan. 1990*  
Pages: 97 - 103

[Abstract] [PDF Full-Text (608 KB)] **IEEE JNL**



- 
- 3 Characteristics of GaAs graded-period delta-doped superlattice**  
*Wen-Chau Liu; Chung-Yih Sun; Wen-Shiung Lour;*  
Circuits, Devices and Systems, IEE Proceedings G , Volume: 138 , Issue: 6 , Dec. 1991  
Pages: 629 - 632
- [Abstract] [PDF Full-Text (348 KB)] IEE JNL
- 
- 4 Precise geometry simulation of interferometric SAR signal for air and spaceborne sensors**  
*Bara, M.; Broquetas, A.; Closa, J.;*  
Geoscience and Remote Sensing Symposium, 2000. Proceedings. IGARSS 2000. IEEE 2000 International , Volume: 2 , 24-28 July 2000  
Pages: 746 - 748 vol.2
- [Abstract] [PDF Full-Text (292 KB)] IEEE CNF
- 
- 5 Syntactic pattern recognition for robot vision**  
*Stenstrom, J.;*  
Robotics and Automation. Proceedings. 1984 IEEE International Conference on , Volume: 1 , Mar 1984  
Pages: 9 - 18
- [Abstract] [PDF Full-Text (2456 KB)] IEEE CNF
- 
- 6 A high fidelity contrast improving model based on human vision mechanisms**  
*Kobayashi, Y.; Kato, T.;*  
Multimedia Computing and Systems, 1999. IEEE International Conference on , Volume: 2 , 7-11 June 1999  
Pages: 578 - 584 vol.2
- [Abstract] [PDF Full-Text (700 KB)] IEEE CNF
- 
- 7 Preliminary collimating measurement experiment for a large-scale antenna using image processing**  
*Okuyama, T.; Kimura, S.; Tsuchiya, S.; Fukase, Y.; Ueno, H.; Harima, K.; Satoh, H.; Yoshida, T.;*



Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. 1999  
IEEE International Conference on , Volume: 2 , 12-15 Oct. 1999  
Pages:963 - 968 vol.2

[Abstract] [PDF Full-Text (544 KB)] IEEE CNF

#### 8 Hand gesture recognition using orientation histogram

*Hyung-Ji Lee; Jae-Ho Chung;*  
TENCON 99. Proceedings of the IEEE Region 10 Conference , Volume: 2 , 15-17  
Sept. 1999  
Pages:1355 - 1358 vol.2

[Abstract] [PDF Full-Text (532 KB)] IEEE CNF

#### 9 Invariants for motion-based classification

*Hafez, W.;*  
American Control Conference, 1999. Proceedings of the 1999 , Volume: 4 , 2-4  
June 1999  
Pages:2925 - 2930 vol.4

[Abstract] [PDF Full-Text (436 KB)] IEEE CNF

#### 10 Electric-bicycle propulsion power

*Oman, H.; Morchin, W. C.; Jamerson, F. E.;*  
WESCON/'95. Conference record. 'Microelectronics Communications Technology  
Producing Quality Products Mobile and Portable Power Emerging Technologies' , 7-9  
Nov. 1995  
Pages:555

[Abstract] [PDF Full-Text (832 KB)] IEEE CNF

#### 11 ILSE-ESQ injector scaled experiment

*Henestroza, E.; Eylon, S.; Yu, S.; Grote, D.;*  
Particle Accelerator Conference, 1993., Proceedings of the 1993 , 17-20 May 1993  
Pages:709 - 711 vol.1

[Abstract] [PDF Full-Text (212 KB)] IEEE CNF

#### 12 Hairy neuron convergence theorems without the precision of timing

Szu, H.H.;  
Neural Networks, 1990., 1990 IJCNN International Joint Conference on , 17-21  
June 1990  
Pages:469 - 476 vol.3

[Abstract] [PDF Full-Text (668 KB)] IEEE CNF

13 **Electric field characteristics of a 400 kV electrostatic energy analyzer**  
*McLaren, P.E.; Connor, H.A.; Lewis, J.F.; Hickok, R.L.; Crowley, T.P.; Schatz, J.G.;*  
Plasma Science, 1990. IEEE Conference Record - Abstracts., 1990 IEEE  
International Conference on , 21-23 May 1990  
Pages:100

[Abstract] [PDF Full-Text (96 KB)] IEEE CNF

14 **Optical distortion due to geomagnetism in quantitative angiography**  
*Solzbach, U.; Wollschläger, H.; Zeiher, A.; Just, H.;*  
Computers in Cardiology 1988. Proceedings. , 25-28 Sept. 1988  
Pages:355 - 357

[Abstract] [PDF Full-Text (232 KB)] IEEE CNF

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

Membership Publications/Services Standards Conferences Careers/Jobs



Welcome  
United States Patent and Trademark Office



Help FAQ Terms IEEE Peer Review

Quick Links



» Search Results

Welcome to IEEE Xplore

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Xplore

- ☐ Access the IEEE Enterprise File Cabinet

Your search matched **60** of **1047691** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** order.

### Refine This Search:

You may refine your search by editing the current search expression or entering a new one in the text box.

Search

☐ Check to search within this result set

### Results Key:

JNL = Journal or Magazine    CNF = Conference    STD = Standard

#### 1 Fine tuning: curve and surface deformation by scaling derivatives

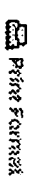
Miura, K.T.; Fuhua Cheng; Lazhu Wang;  
Computer Graphics and Applications, 2001. Proceedings. Ninth Pacific Conference on , 16-18 Oct. 2001  
Pages:150 - 159

[Abstract] [PDF Full-Text (871 KB)] IEEE CNF

#### 2 Xerographic development simulation on digital halftone images

Hayakawa, A.; Ohno, S.; Oka, K.;  
Industry Applications Society Annual Meeting, 1989., Conference Record of the 1989 IEEE , 1-5 Oct. 1989  
Pages:2255 - 2259 vol.2

[Abstract] [PDF Full-Text (276 KB)] IEEE CNF



**3 Measurement and Control of Microwave Frequencies by Lower Radio Frequencies**

*Mackey, R.C.; Hersberger, W.D.;*  
Microwave Theory and Techniques, IEEE Transactions on , Volume: 5 , Issue: 1 , Jan 1957  
Pages:64 - 68

[Abstract] [PDF Full-Text (640 KB)] IEEE JNL

**4 Nonconvex economic dispatch by integrated artificial intelligence**

*Whei-Min Lin; Fu-Sheng Cheng; Ming-Tong Tsay;*  
Power Systems, IEEE Transactions on , Volume: 16 , Issue: 2 , May 2001  
Pages:307 - 311

[Abstract] [PDF Full-Text (112 KB)] IEEE JNL

**5 Small vessel enhancement in MRA images using local maximum mean processing**

*Yi Sun; Parker, D.;*  
Image Processing, IEEE Transactions on , Volume: 10 , Issue: 11 , Nov. 2001  
Pages:1687 - 1699

[Abstract] [PDF Full-Text (743 KB)] IEEE JNL

**6 B-spline snakes: a flexible tool for parametric contour detection**

*Brigger, P.; Hoeg, J.; Unser, M.;*  
Image Processing, IEEE Transactions on , Volume: 9 , Issue: 9 , Sept. 2000  
Pages:1484 - 1496

[Abstract] [PDF Full-Text (360 KB)] IEEE JNL

**7 Evaluation of low energy threshold settings for PVI PET systems**

*Kohlmyer, S.G.; Miyaoka, R.M.; Lewellen, T.K.;*  
Nuclear Science, IEEE Transactions on , Volume: 46 , Issue: 6 , Dec. 1999  
Pages:2141 - 2145

[Abstract] [PDF Full-Text (452 KB)] IEEE JNL

**8 Recurrent nasal tumor detection by dynamic MRI**